

FORM PTO-1390 TRADEMARK OFFICE (REV 9-2001)	U.S. DEPARTMENT OF COMMERCE PATENT AND	ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		TS6347US
INTERNATIONAL APPLICATION NO. PCT/EP2003/006414	INTERNATIONAL FILING DATE 17 June 2003 (17.06.2003)	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/519137
PRIORITY DATE CLAIMED 28 June 2002 (28.06.2002)		
TITLE OF INVENTION: SYSTEM FOR DETECTING GAS IN A WELLBORE DURING DRILLING		
APPLICANT(S) FOR DO/EO/US : COENEN, Josef, Guillaume, Christoffel		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: postcard for date stamping 		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/519137		INTERNATIONAL APPLICATION NO. PCT/EP2003/006414		ATTORNEY'S DOCKET NUMBER TS6347 US																					
<p>21. The following fees are submitted:</p> <table border="1"> <tr> <td><input checked="" type="checkbox"/></td> <td>a) Basic national fee.....</td> <td>\$300.00</td> <td>Applicant use</td> <td>Office use only</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>b) Examination fee.....</td> <td>\$200.00</td> <td>\$ 300.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>c) Search fee.....</td> <td>\$500.00</td> <td>\$ 200.00</td> <td></td> </tr> <tr> <td colspan="2">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$1000.00</td> <td>\$ 500.00</td> <td></td> </tr> </table> <p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p>						<input checked="" type="checkbox"/>	a) Basic national fee.....	\$300.00	Applicant use	Office use only	<input checked="" type="checkbox"/>	b) Examination fee.....	\$200.00	\$ 300.00		<input checked="" type="checkbox"/>	c) Search fee.....	\$500.00	\$ 200.00		TOTAL OF ABOVE CALCULATIONS =		\$1000.00	\$ 500.00	
<input checked="" type="checkbox"/>	a) Basic national fee.....	\$300.00	Applicant use	Office use only																					
<input checked="" type="checkbox"/>	b) Examination fee.....	\$200.00	\$ 300.00																						
<input checked="" type="checkbox"/>	c) Search fee.....	\$500.00	\$ 200.00																						
TOTAL OF ABOVE CALCULATIONS =		\$1000.00	\$ 500.00																						
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																						
- 100 =	/50 =		x \$250.00																						
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																									
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																						
Total claims	16 - 20 =		x \$50.00																						
Independent claims	1 - 3 =		x \$200.00																						
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00																						
TOTAL OF ABOVE CALCULATIONS = \$1000.00																									
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.																									
SUBTOTAL =																									
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																									
TOTAL NATIONAL FEE =																									
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																									
TOTAL FEES ENCLOSED =																									
<table border="1"> <tr> <td>Amount to be refunded:</td> <td rowspan="2" style="background-color: #cccccc;">\$</td> </tr> <tr> <td>Amount to be charged</td> </tr> </table>						Amount to be refunded:	\$	Amount to be charged																	
Amount to be refunded:	\$																								
Amount to be charged																									
\$ 1040.00																									
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>19-1800</u> in the amount of \$ <u>1040.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-1800</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>																									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																									
SEND ALL CORRESPONDENCE TO:																									
<p>Eugene R. Montalvo SHELL OIL COMPANY Intellectual Property P.O. Box 2463 Houston, Texas 77252-2463 tele: 713-241-0296</p>																									
 <p><u>Eugene R. Montalvo</u> NAME 32,790 REGISTRATION NUMBER</p>																									